IN THE DRAWINGS:

The attached drawings include changes to FIGs. 1-8. The Appendix includes a replacement set of FIGs. 1-8, as well as annotated sheets showing the changes.

Amendments to FIG. 1:

The label in block 22 has been changed to "IDENTIFY PARENT PROCESS & DEVELOP MONITORING STRATEGY."

Block 24 has been deleted. Original block 26 is now block 24. Original block 28 is now block 26.

The label in new block 26 has been changed to "WAIT FOR TRACE EVENTS FROM PARENT PROCESS' PID."

The label in blocks 32 and 42 has been changed to "EXECUTE / INSTRUMENT PROCESS."

The label in blocks 34 and 44 has been changed to "RUN UNTIL VFORK SYSTEM CALL."

The label in block 36 has been changed to "SPAWN CHILD "A" PROCESS UNDER TRACE CONTROL."

The label in block 38 has been changed to "WAIT FOR INDICATION THAT CHILD "A" PROCESS HAS COMPLETED."

The label in block 46 has been changed to "SPAWN CHILD "B" PROCESS UNDER TRACE CONTROL."

The label in block 48 has been changed to "WAIT FOR INDICATION THAT CHILD "B" PROCESS HAS COMPLETED."

Amendments to FIG. 2:

"DEBUG INTERFACE <u>330</u>" has been changed to "MONITORING INTERFACE <u>330</u>."

Amendments to FIG. 3:

Instruction interface 335 has been changed to instruction interface 338.

Pre-fork event 355 has been changed to pre-fork event 375.

"DEBUG INTERFACE <u>330</u>" has been changed to "MONITORING INTERFACE <u>330</u> and further comprises "INSTRUCTION GENERATOR <u>335</u>," which further comprises "INSTRUCTIONS 336."

Amendments to FIG. 4:

The label in block 408 has been changed to "INSTRUMENT / EXECUTE PARENT PROCESS."

Wait block 428 has been renumbered to 424. The flow control arrow exiting query 410 has been modified to connect with wait block 424. Consequently, blocks 414 through 424 have been renumbered to 412 through 422, respectively.

The label in query 418 has been changed to "CHILD CALLED EXEC / _EXIT OR TERMINATED?"

A flow control arrow has been added from wait block 424 to query 410.

Blocks 430 and 432 have been renumbered to 428 and 430, respectively.

The label in block 430 has been changed to "ANALYZE & PRESENT COLLECTED DATA."

Amendments to FIG. 5:

The label in query 502 has been changed to "VFORK ABOUT TO BE EXECUTED?"

The label in block 512 has been changed to "EXECUTE VFORK SYSTEM CALL."

Amendments to FIG. 6:

Wait block 608 has been moved after the query labeled "PARENT VFORK FAILED?" and renumbered as wait block 610.

The label in query 608 has been changed to "PARENT VFORK FAIL?"

The label in block 612 has been changed to "NOTIFY SOFTWARE MONITOR THAT VFORK SYSTEM CALL FAILED."

The flow control arrow exiting block 612 now connects to a terminator labeled "END."

The label in query 624 has been changed to "PARENT VFORK FAIL?"

The label in block 616 has been changed to "SET TARGET PID TO CHILD PROCESS' PID."

The flow control arrow exiting block 616 now connects to block 618.

The flow control arrow labeled "YES" exiting query 620 indicates that query 620 is repeated until a "NO" condition is satisfied.

Amendments to FIG. 7:

The label in input/output block 702 has been changed such that VFORK SYSTEM CALL replaces FORK INSTRUCTION.

The label in block 706 has been changed such that VFORK SYSTEM CALL replaces FORK INSTRUCTION (2 locations).

Block 710 has been changed to block 712 and block 710 labeled "WAIT UNTIL CHILD PROCESS CALLS EXEC OR _EXIT OR CHILD PROCESS IS TERMINATED BY OPERATING SYSTEM."

Amendments to FIG. 8:

The label in query 802 has been changed to "VFORK TO BE EXECUTED?"

The label in block 806 has been changed such that VFORK SYSTEM CALL replaces FORK INSTRUCTION.

Block 814 has been removed.
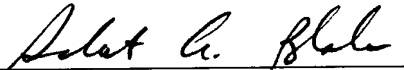
Block 816 has been renumbered to 814.

Block 816 labeled "CREATE AND EXECUTE CHILD PROCESS" has been inserted after block 814.

REMARKS

Applicants request entry and consideration of the preceding amendments prior to examination of the application. Claims 9 and 20-28 have been canceled. Claims 1, 3, 5-8, 10, 11, 13, 16, and 17 have been amended to clarify the subject matter that Applicants regard as the invention. Claims 29-36 have been added. Newly added claims 29-36 contain subject matter recited in canceled claims 20-28. Amendments to the specification and figures have been made to address informalities present in the originally submitted application. Consequently, Applicants respectfully submit that the amendments present no new matter to the present application.

Respectfully submitted,

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APPENDIX

Substitute Specification (pages 1-18 and 24 of application).

Replacement FIGs. 1-8 (clean copy with changes).

Annotated FIGs. 1-8 (original drawings with redlines).